HYDROLOGY AND STEADY STATE GROUND-WATER

MODEL OF CAVE VALLEY,

LINCOLN AND WHITE PINE COUNTIES, NEVADA

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By

Kay Brothers, Thomas S. Buqo, James V.Tracy

Mark Stock, Craig Bentley, Andrew Zdon, and John Kepper

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Table 8.--Comparison of Cave Valley model budget with USGS (Eakin, 1962), all values ac.ft./yr.

	USGS	Steady State Model (rounded)
RECHARGE:	14000	13000
ET:	Minor	0
FLOW: to White River Valley	14000	13000 (lower layer)

Figure 18 graphically illustrates the difference between the actual water levels and the model simulated levels for wells located from north to south in Cave Valley. All but one of the simulated values are within forty feet of actual measured values. Also the distribution of positive and negative residuals is about even. Therefore, the steady state model provides a reasonable simulation of the potentiometric surface.
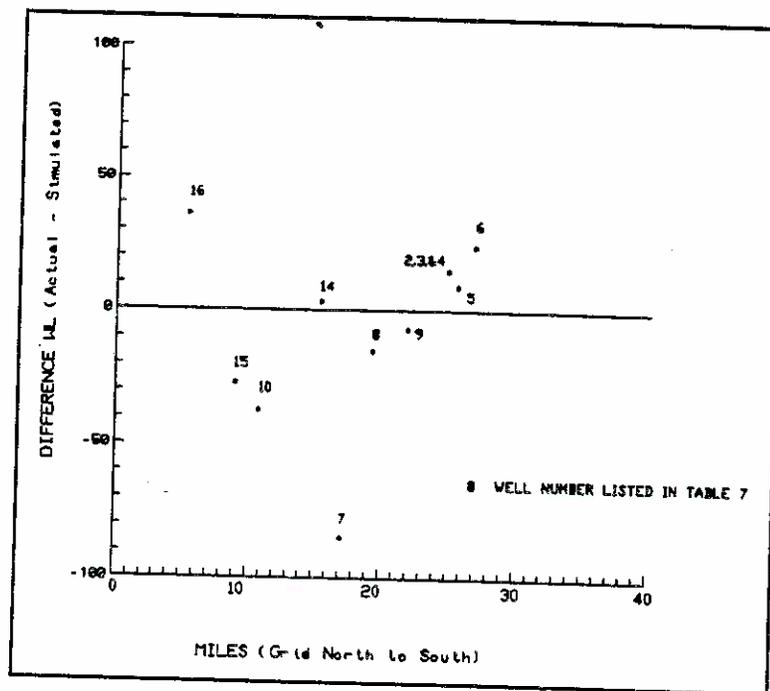

Figure 18.--Difference between simulated and actual water levels.